

## UTILITY MECHANICAL SUPERVISOR - 2822

### GENERAL DEFINITION OF WORK:

Performs technical and skilled work maintaining and repairing specialized machinery and equipment in Public Works and Utility facilities; does related work as required. Work is performed under regular supervision of the Asst. Public Works and Utilities Director.

This is very heavy work requiring exertion in excess of 100 pounds of force occasionally, in excess of 50 pounds of force frequently, and in excess of 20 pounds of force constantly to move objects; work requires climbing, balancing, stooping, kneeling, crouching, crawling, reaching, standing, walking, pushing, pulling, lifting, fingering, grasping, feeling, and repetitive motions; vocal communication is required for conveying detailed or important instructions to others accurately, loudly, or quickly; hearing is required to receive detailed information through oral communications and/or to make fine distinctions in sound; visual acuity is required for visual inspection involving small defects and/or small parts, use of measuring devices, assembly or fabrication of parts at or within arms length, and operation of machines; the worker is subject to inside and outside environmental conditions, extreme cold, extreme heat, noise, vibration, hazards, atmospheric conditions, and oils.

### ESSENTIAL FUNCTIONS/TYPICAL TASKS:

#### **Maintaining and repairing public works and utility infrastructure inclusive of pump stations, treatment plants, generators, etc.**

Performs repairs on a variety of pumps, engines, motors and related equipment used throughout the city;  
Coordinates facility maintenance between public works and utility departments;  
Trains, coordinates and advises other public works/utility personnel on maintenance issues;  
Uses hand, bench, and machine tools in the repair and maintenance of various pumps, motors, valves, and other plant machinery and equipment;  
Replaces and repairs bearings, shafts, sleeves, and other parts; orders necessary parts and supplies;  
Makes periodic inspections of equipment to ensure that equipment is functioning properly;  
Adjusts, repairs, and replaces parts;  
Cleans and paints facility equipment;  
Rebuilds a variety of pumps, motors, and other plant equipment;  
Diagnosis problems and makes necessary repairs;  
Removes and replaces electric motors as needed; replaces parts as needed;  
Lubricates and changes oil in equipment;  
Operates the treatment plant when required; performs duties of treatment plant operator if needed;  
Operates city machine shop, which includes welding;  
Performs repair and maintenance work for other divisions and department as directed;  
Performs related tasks as required.

### KNOWLEDGE, SKILLS, AND ABILITIES:

Thorough knowledge of standard practices, methods, tools and materials of the electrical and mechanical trades; thorough knowledge of the occupational hazards connected with general maintenance operations and ability to take and enforce appropriate safety precautions; ability to work from sketches and to understand and carry out oral and written instructions; ability to establish and maintain effective working relationships with associates; skill in the use and care of bench and hand tools, machines and equipment.

### EDUCATION AND EXPERIENCE:

Any combination of education and experience equivalent to graduation from high school or vocational school including or supplemented by courses in the mechanical trade and extensive experience in utility maintenance work.

### SPECIAL REQUIREMENTS:

Possession of Grade I certification issued by the State of North Carolina.